

# Instruction Manual

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## Aqua Lantern Solar Buoy

“Light Up The Lake”



# Aqua Lantern

## Solar Lighted Buoy - "Light Up The Lake"

Your Aqua Lantern Buoy is fully assembled. The pre-installed battery pack needs charging, so place the buoy outside in the sun. This will require a one-day charge assuming the buoy receives intense, direct sunlight, such as in the summertime. In the spring or fall, this could require a second day's exposure.

Other modes your buoy may be set to are (a) Constant light (no pulse) and (b) Off. Constant light draws more battery energy and will give up to 16 hours of light from a new, fully charged battery. If the buoy begins to "blink" in this mode, it is conserving power due to a low battery. When charged again it will return to constant light.

Off mode can be used for storage. See Storing the Solar Lighted Buoy.

To set your buoy to another light setting, go to the section Changing the Light Setting.

Use proper hardware and tethering equipment for safe anchoring of your Aqua Lantern. Always follow your local rules and regulations for placement guidelines. Do not use the Aqua Lantern in an unlawful manner. Most bodies of water have a governing entity and the rules and regulations should be consulted prior to placement of the Aqua Lantern.

**ATTENTION:** Anchoring hardware and equipment are not included.

**CONGRATULATIONS! NOW YOU CAN LIGHT UP THE LAKE!**

**YOUR AQUA LANTERN IS READY FOR USE.**

## Changing The Light Setting

To change your Aqua Lantern's light setting:

**Step 1:** Remove the solar fixture from the body of the buoy by unscrewing it from the body of the buoy using the spanner wrench. Place the spanner wrench's teeth in the notches across the solar panel fixture and rotate counter-clockwise to unscrew it.



Figure 2

**Step 2:** Using a Phillips head screwdriver, remove the solar fixture by unscrewing the five screws that hold the lens cover in place, and pull off the lens cover. **DO NOT USE AN ELECTRIC SCREW DRIVER.**

**Step 3:** Find the switches on the green circuit board with the settings "OFF", "ON", "CONT" and "PULSE".

Changing the settings of the tiny switches may be accomplished by use of a fingernail. Otherwise, use a tiny screwdriver or a ballpoint pen. SEE FIGURE 1.

- Set the switches to "Cont" and "On" to select Continual night light,
- Select "Pulse" and "On" for Pulsing night light, or
- Select "Off" to turn the buoy off.

**Step 4:** Replace the lens on the housing, aligning the key with the notch (See Figure 1)

**Step 5:** Hand-tighten the screws using your screw driver until snug.

***CAUTION:** Do not over-tighten. The o-ring must be seated in its groove. Do not use an electric screw gun to tighten screws. Over-tightening may breach the housing and cause water-leakage, shortening the life of your solar lighted buoy. Hand tighten the screws until snug.*

**Step 6:** Screw the solar fixture on the buoy using the spanner wrench.

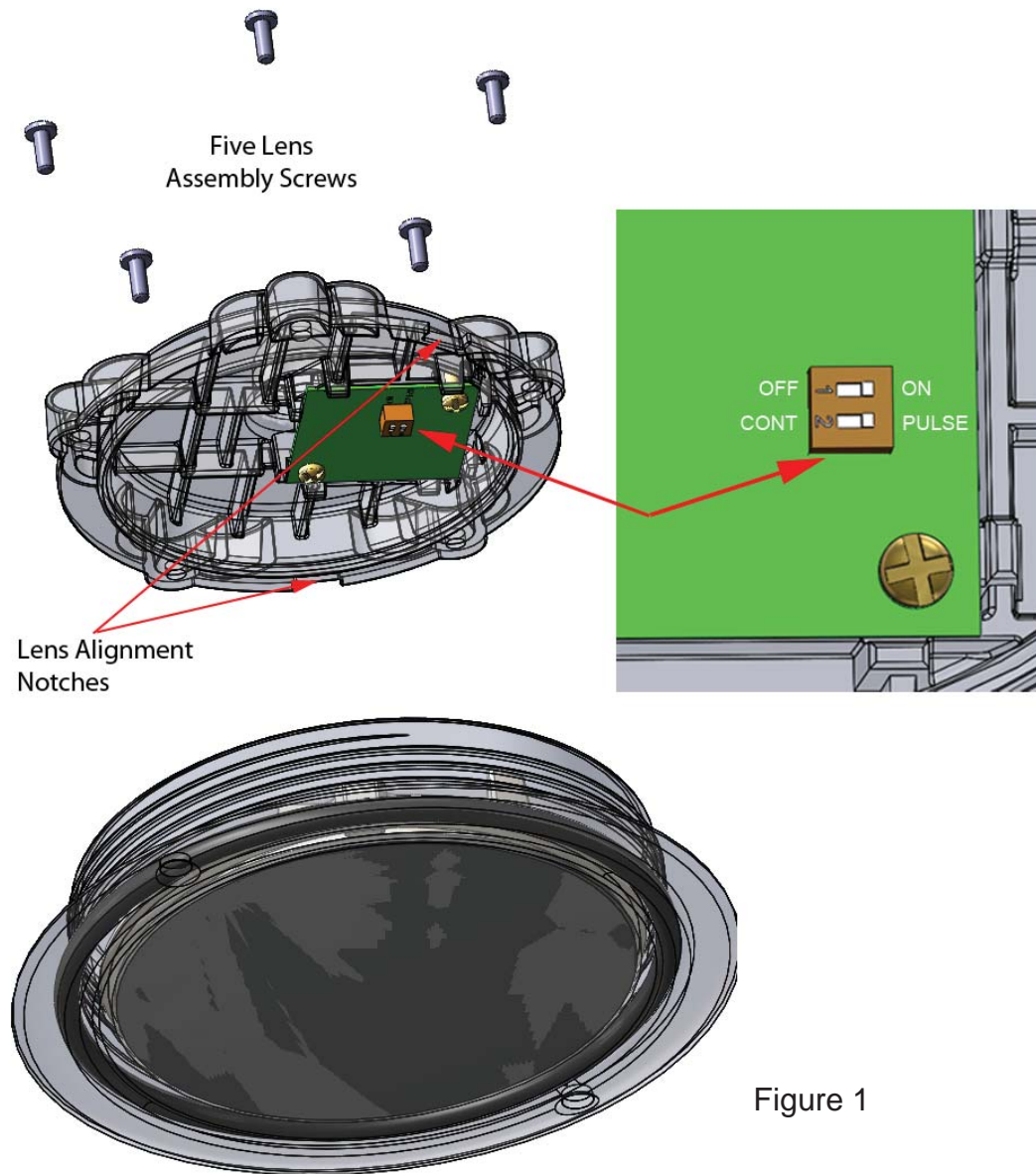


Figure 1

## Storing the Solar Lighted Buoy

The batteries in your solar buoy store best when fully charged.

When storing your buoy, such as for the winter, the following procedure achieves the best result for battery life:

**Step 1:** Charge the battery with sunlight. If the battery is low, this may take a full day.

**Step 2:** Remove the solar fixture from the body of the buoy using the spanner wrench.

**Step 3:** Remove any water that may have gotten into the buoy throughout its use.

**Step 4:** Follow the instructions for turning the solar fixture off from the section Changing the Light Setting. Upon completion, your Aqua Lanter will be ready for storage!

## Changing the Battery Pack

**Step 1: Order a new battery pack. For the current battery pack rate, contact:**

Connecticut Electric	aqualantern.com
100 W. 11th St. Ste.100	(866) 822-0453
Anderson, IN 46016	

**Step 2:** Once you have a new battery pack, remove the solar fixture from the body of the buoy using the spanner wrench.

**Step 3:** Using a Phillips head screwdriver, unscrew the lens cover from the assembly of the solar light fixture. **NOTE: DO NOT USE AN ELECTRIC SCREW DRIVER.**

**Step 4:** Inside the lens cover, locate the green circuit board. On the circuit board you will find a battery plug connected to a socket. The tab on the battery plug holds it in place in the socket. Remove the battery plug from the socket by pressing in the tab with a small screwdriver or ballpoint pen and pulling the plug out.

**Step 5:** Once the battery pack is disconnected, connect the new one to the circuit board. Recycle the old battery pack or dispose of it properly. Do not dispose of the battery pack by putting it in fire.

**Step 6:** Re-assemble the unit by hand-tightening the screws into the housing without over-tightening. Do not use an electric screw driver to tighten screws because this may damage the unit. The o-ring must be seated in its groove and enough pressure must be exerted on it by the lens cover to prevent water from getting into the fixture.

**Step 7:** Screw the solar fixture on the buoy using the spanner wrench.